


FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0180002	APPLICATION NO. 09/2100 09/848,616
	APPLICANT Sebbel et al.	
	FILING DATE 05/04/2001	GROUP 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
MM	AA1	4,722,840	02/02/1988	Valenzuela, P.D.T. et al.	424	88	09/19/1985
	AB1	5,071,651	12/10/1991	Sabara, M.I. et al.	424	89	03/05/1990
	AC1	5,334,394	08/02/1994	Kossovsky, N. et al.	424	494	01/04/1993
	AD1	5,374,426	12/20/1994	Sabara, M.I. et al.	530	403	10/30/1989
	AE1	5,698,424	12/16/1997	Mastico, R.A. et al.	435	172.3	06/26/1992
	AF1	5,739,026	04/14/1998	Garoff, H. et al.	435	240.2	12/12/1991
	AG1	5,770,380	06/23/1998	Hamilton, A.D. et al.	435	7.1	09/19/1996
	AH1	5,766,602	06/16/1998	Xiong, C. et al.	424	218.1	01/19/1995
	AI1	5,789,245	08/04/1998	Dubensky, Jr., et al.	435	320.1	10/30/1996
	AJ1	5,792,462	08/11/1998	Johnston, R.E. et al.	424	199.1	05/23/1995
	AK1	5,814,482	09/29/1998	Dubensky, Jr. et al	435	69.3	10/30/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM	AL1	EP 0 259 149 A2	03/09/1988	Europe			Yes No
	AM1	EP 0 283 505 B1	09/28/1988	Europe			Yes No
	AN1	EP 0 425 082 A1	05/02/1991	Europe			Yes No
	AO1	EP 0 465 081 B1	01/08/1992	Europe			Yes No
	AP1	WO 92/11291 A1	07/09/1992	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
MM	AR	1	Artelt, P. et al., "Vectors for efficient expression in mammalian fibroblastoid, myeloid and lymphoid cells via transfection or infection," <i>Gene</i> 68:213-219, Elsevier Science Publishers B.V. (1988)
	AS	1	Baba, T.W. et al., "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," <i>Science</i> 267:1820-1825, American Association for the Advancement of Science (1995)
	AT	1	Bachmann, M.F. et al., "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8 ⁺ cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 26:2595-2600, VCH Verlagsgesellschaft mbH (1996)

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MM	AA2	5,871,747	02/16/1999	Gengoux-Sedlik, C. et al.	424	208.1	09/13/1993
	AB2	5,928,647	07/27/1999	Rock, K.	424	196.11	01/10/1994
	AC2	6,004,763	12/21/1999	Gengoux, C. et al.	435	7.24	05/12/1998
	AD2	6,054,312	04/25/2000	Larocca, D. et al.	435	320.1	08/29/1997
	AE2	6,231,864	05/15/2001	Birkett, A.J.	424	189.1	02/11/1999
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM	AL2	WO 94/06472 A1	03/31/1994	WIPO			Yes X No
	AM2	EP 0 578 293 A1	01/12/1994	Europe			Yes No
	AN2	WO 94/15585 A1	07/21/1994	WIPO			Yes No
	AO2	WO 96/05293 A1	02/22/1996	WIPO			Yes No
	AP2	WO 96/30523 A2	10/03/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	2	Bachmann, M.F. and Zinkernagel R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
	AS	2	Bachmann, M.F. and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)
	AT	2	Bard, F. et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature America, Inc. (August 2000)

EXAMINER <i>molly</i>	DATE CONSIDERED 10-30-03
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM ↓	AL3	WO 97/31948 A1	09/04/1997	WIPO			Yes No
	AM3	WO 98/15631 A1	04/16/1998	WIPO			Yes No
	AN3	WO 99/07839 A2	02/18/1999	WIPO			Yes No
	AO3	WO 99/40934 A1	08/19/1999	WIPO			Yes No
	AP3	WO 99/50432 A1	10/07/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
MM ↓	AR	3	Boorsma, M. et al., "A temperature-regulated replicon-based DNA expression system," <i>Nat. Biotechnol.</i> 18:429-432, Nature America, Inc. (April 2000)
	AS	3	Borisova, G. et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," <i>J. Virol.</i> 67:3696-3701, American Society for Microbiology/DC (1993)
	AT	3	Bullitt E. et al., "Development of pilus organelle subassemblies in vitro depends on chaperone uncapping of a beta zipper," <i>Proc. Natl. Acad. Sci USA</i> 93:12890-12895, National Academy Press (1996)

EXAMINER <i>Mody</i>	DATE CONSIDERED <i>10-30-03</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM ↓	AL4	WO 99/67293 A1	12/29/1999	WIPO			Yes No
	AM4	WO 00/32227 A2	06/08/2000	WIPO			Yes No
	AN4						Yes No
	AO4						Yes No
	AP4						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
MM ↓	AR	4	Bullitt, E. and Makowski, L., "Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits," <i>Biophys. J.</i> 74:623-632, Biophysical Society (1998)				
	AS	4	Cesareni, G., "Peptide display on filamentous phage capsids," <i>FEBS Lett.</i> 307:66-70, Elsevier Science Publishers B.V. (1992)				
	AT	4	Clark, H.F. et al., "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSW) and a Virus-Free Cell Line (VH2) From <i>Vipera russelli</i> ," <i>J. Natl. Cancer Inst.</i> 51:645-657, Oxford University Press (1973)				

EXAMINER <i>Mosley</i>	DATE CONSIDERED 10-30-03
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

mm ↓	AR	<u>5</u>	Cohen, C. and Parry, D.A.D., "α-Helical coiled coils - a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)
	AS	<u>5</u>	Connor, R.I. et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," <i>J. Virol.</i> 72:1552-1576, American Society for Microbiology/DC (1998)
	AT	<u>5</u>	Cramer, R. and Suter M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137:69-75, Elsevier Science Publishers B.V. (1993)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<u>6</u>	Daniel, M.D. <i>et al.</i> , "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the <i>nef</i> Gene," <i>Science</i> 258:1938-1941, American Association for the Advancement of Science (1992)				
	AS	<u>6</u>	Davis, N.L. <i>et al.</i> , "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," <i>Virology</i> 171:189-204, Academic Press, Inc. (1989)				
	AT	<u>6</u>	de la Cruz, V.F. <i>et al.</i> , "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322, American Society for Biochemistry and Molecular Biology (1988)				

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	AL						Yes No
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	AN						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
MM	AR	1	Dodson, K.W. <i>et al.</i> , "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," <i>Proc. Natl. Acad. Sci. USA</i> 90:3670-3674, National Academy Press (1993)
↓	AS	1	Donnelly, J.J. <i>et al.</i> , "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews, Inc. (1997)
↓	AT	1	Ebina, S. <i>et al.</i> , "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," <i>J. Biol. Chem.</i> 264:7882-7888, American Society for Biochemistry and Molecular Biology, Inc. (1989)

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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
MM	AR	g	Eshdat, Y. <i>et al.</i> , "Dissociation and Reassembly of <i>Escherichia coli</i> Type 1 Pili," <i>J. Bacteriol.</i> 148:308-314, American Society for Microbiology/DC (1981)
↓	AS	g	Esposito, G. <i>et al.</i> , "Conformational study of a short <i>Pertussis</i> toxin T cell epitope incorporated in a multiple antigen peptide template by CD and two-dimensional NMR. Analysis of the structural effects on the activity of synthetic immunogens," <i>Eur. J. Biochem.</i> 217:171-187, Blackwell Science, Ltd. (1993)
↓	AT	g	Fehr, T. <i>et al.</i> , "Role of Repetitive Antigen Patterns for Induction of Antibodies Against Antibodies," <i>J. Exp. Med.</i> 185:1785-1792, Rockefeller University Press (1997)


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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	9	Förster, E. <i>et al.</i> , "Natural and recombinant enzymatically active or inactive bee venom phospholipase A ₂ has the same potency to release histamine from basophils in patients with Hymenoptera allergy," <i>J. Allergy Clin. Immunol.</i> 95:1229-1235, Mosby (1995)
	AS	9	Frolov, I. <i>et al.</i> , "Alphavirus-based expression vectors: Strategies and applications," <i>Proc. Natl. Acad. Sci. USA</i> 93:11371-11377, National Academy Press (1996)
	AT	9	Fujiwara K. <i>et al.</i> , "Novel Preparation Method of Immunogen for Hydrophobic Hapten, Enzyme Immunoassay for Daunomycin and Adriamycin," <i>J. Immunol. Methods</i> 45:195-203, Elsevier/North-Holland Biomedical Press (1981)

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	AR	<u>10</u>	Gilbert, S.C. et al., "A protein particle vaccine containing multiple malaria epitopes," <i>Nat. Biotechnol.</i> 15:1280-1284, Nature America, Inc. (1997)
	AS	<u>10</u>	Greenstone, H.L. et al., "Chimeric papillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," <i>Proc Natl. Acad. Sci. USA</i> 95:1800-1805, National Academy Press (1998)
	AT	<u>10</u>	Hahn, C.S. et al., "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," <i>Proc. Natl. Acad. Sci. USA</i> 89:2679-2683, National Academy Press (1992)

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	AN						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>11</u>	Harding, C.V. and Song, R., "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules," <i>J. Immunol.</i> 153:4925-4933, American Association of Immunologists (1994)
	AS	<u>11</u>	Haslam, D.B. et al., "The amino-terminal domain of the P-pilus adhesion determines receptor specificity," <i>Mol. Microbiol.</i> 14:399-409, Blackwell Scientific Publications (1994)
	AT	<u>11</u>	Hilleman, M.R., "Six decades of vaccine development-a personal history," <i>Nat. Med.</i> 4:507-514, Nature America, Inc. (1998)

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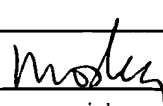
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>12</u>	Hui, E.K-W. <i>et al.</i> , "Hepatitis B viral core proteins with an N-terminal extension can assemble into core-like particles but cannot be enveloped," <i>J. Gen. Virol.</i> 80:2647-2659, Society for General Microbiology (October 1999)
	AS	<u>12</u>	Hultgren, S.J. <i>et al.</i> , "The PapG adhesion of uropathogenic <i>Escherichia coli</i> contains separate regions of receptor binding and for the incorporation into the pilus," <i>Proc. Natl. Acad. Sci. USA</i> 86:4357-4361 (1989)
	AT	<u>12</u>	Hung, D.L. and Hultgren, S.J., "Pilus Biogenesis via the Chaperone/Usher Pathway: An Integration of Structure and Function," <i>J. Struct. Biol.</i> 124:201-220, Academic Press, Ltd. (1998)

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	AN3						Yes No
	AO3						Yes No
	AP3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	13	Iannolo G. et al., "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248:835-844, Academic Press, Ltd. (1995)
↓	AS	13	Iannolo, G. et al., Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," <i>Biol. Chem.</i> 378:517-521, Walter de Gruyter & Co. (1997)
↓	AT	13	Ikram, H. and Prince, A.M., "A method for coupling the hepatitis B surface antigen to aldehyde-fixed erythrocytes for use in passive hemmagglutination," <i>J. Virol. Methods</i> 2:269-275, Elsevier/North-Holland Biomedical Press (1981)

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1700.0180002	APPLICATION NO. 09/848,616
	APPLICANT Sebbel et al.	
	FILING DATE 05/04/2001	GROUP 1645

U.S. PATENT DOCUMENTS							
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	<u>14</u>	Jiang, X. et al., "Norwalk Virus Genome Cloning and Characterization," <i>Science</i> 250:1580-1583, American Association for the Advancement of Science (1990)
↓	AS	<u>14</u>	Kilby, J.M. et al., "Potent suppression of HIV-1 replication in humans by T-20, a peptide inhibitor of gp41-mediated virus entry," <i>Nat. Med.</i> 4:1302-1307, Nature America, Inc. (1998)
↓	AT	<u>14</u>	Klemm, P. and Christiansen, G., "Three fim genes required for the regulation of length and mediation of adhesion of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 208:439-445, Springer-Verlag (1987)

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	APPLICANT Sebbel <i>et al.</i>	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>15</u>	Klemm, P. and Christiansen, G., "The <i>fimD</i> gene required for cell surface localization of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 220:334-338, Springer-Verlag (1990)
	AS	<u>15</u>	Kovacsovics-Bankowski, M. et al., "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," <i>Proc. Natl. Acad. Sci. USA</i> 90:4942-4946, National Academy Press (1993)
	AT	<u>15</u>	Kratz, P.A. et al., "Native display of complete foreign protein domains on the surface of hepatitis B virus capsids," <i>Proc. Natl. Acad. Sci. USA</i> 96:1915-1920, <i>Proc. Natl. Acad. Sci. USA</i> 96:1915-1920 (March 1999)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	<u>16</u>	Kuehn, M.J. <i>et al.</i> , "Structural Basis of Pilus Subunit Recognition by the PapD Chaperone," <i>Science</i> 262:1234-1241, American Association for the Advancement of Science (1993)
J	AS	<u>16</u>	Landschulz, W.H. <i>et al.</i> , "The Leucine Zipper: A Hypothetical Structure Common to a New Class of DNA Binding Proteins," <i>Science</i> 240:1759-1764, American Association for the Advancement of Science (1988)
↓	AT	<u>16</u>	Leake, C.J. <i>et al.</i> , "Cytopathic Effect and Plaque Formation by Arboviruses in a Continuous Cell Line (XTC-2) from the Toad <i>Xenopus laevis</i> ," <i>J. Gen. Virol.</i> 35:335-339, Cambridge University Press (1977)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>17</u>	Lee, K. <i>et al.</i> "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," <i>Biotechnol. Bioeng.</i> 50:336-340, John Wiley & Sons, Inc. (1996)
	AS	<u>17</u>	Liljeström, P. and Garoff, H., "A New Generation of Animal Cell Expression Vectors Based on the Semliki Forest Virus Replicon," <i>Biotechnology (N Y)</i> 9:1356-1361, Nature Publishing Company (1991)
	AT	<u>17</u>	Liljeström, P., "Alphavirus expression systems," <i>Curr. Opin. Biotechnol.</i> 5:495-500, Current Biology, Ltd. (1994)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	<u>18</u>	Lindberg, F. et al., "PapD, a Periplasmic Transport Protein in P-Pilus Biogenesis," <i>J. Bacteriol.</i> 171:6052-6058, American Society for Microbiology/DC (1989)
I	AS	<u>18</u>	Lo, K.K-W. et al., "Surface-modified mutants of cytochrome p450 _{cam} : enzymatic properties and electrochemistry," <i>FEBS Lett.</i> 451:342-346, Elsevier Science Publishers B.V. (May 1999)
↓	AT	<u>18</u>	Lo-Man, R. et al., "A recombinant virus-like particle system derived from parvovirus as an efficient antigen carrier to elicit a polarized Th1 immune response without adjuvant," <i>Eur. J. Immunol.</i> 28:1401-1407, WILEY-VCH Verlag GmbH (1998)

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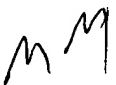
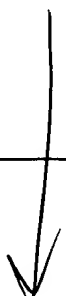

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0180002	APPLICATION NO. 09/848,616
	APPLICANT Sebbel <i>et al.</i>	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>19</u>	López, O. <i>et al.</i> , "Direct formation of mixed micelles in the solubilization of phospholipid liposomes by Triton X-100," <i>FEBS Lett.</i> 426:314-318, Elsevier Science Publishers B.V. (1998)
	AS	<u>19</u>	Lundstrom, K., "Alphaviruses as expression vectors," <i>Curr. Opin. Biotechnol.</i> 8:578-582, Current Biology, Ltd. (1997)
	AT	<u>19</u>	Matsui, S.M. <i>et al.</i> , "The Isolation and Characterization of a Norwalk Virus-specific cDNA," <i>J. Clin. Invest.</i> 87:1456-1461, Rockefeller University Press (1991)

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	APPLICANT Sebbel et al.	
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>20</u>	McPherson, P.S., "Regulatory Role of SH3 Domain-mediated Protein-Protein Interactions in Synaptic Vesicle Endocytosis," <i>Cell. Signal.</i> 11:229-238. Elsevier Science, Inc. (April 1999)
	AS	<u>20</u>	McReynolds, L. et al., "Sequence of chicken ovalbumin mRNA," <i>Nature</i> 273:723-728, Macmillan Magazines, Ltd. (1978)
	AT	<u>20</u>	Minenkova, O.O. et al., "Design of specific immunogens using filamentous phage as the carrier," <i>Gene</i> 128:85-88, Elsevier Science Publishers B.V. (1993)

EXAMINER <i>msley</i>	DATE CONSIDERED <i>10-30-03</i>
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	APPLICANT Sebbel <i>et al.</i>	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

mm	AR	<u>21</u>	Morein, B. <i>et al.</i> , "Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses," <i>Nature</i> 308:457-460, Macmillan Magazines, Ltd. (1984)
↓	AS	<u>21</u>	Neurath, A.R. <i>et al.</i> , "Hepatitis B virus surface antigen (HbsAG) as carrier for synthetic peptides having an attached hydrophobic tail," <i>Mol. Immunol.</i> 26:53-62, Pergamon Press (1989)
↓	AT	<u>21</u>	O'Shea, E.K. <i>et al.</i> , "Evidence That the Leucine Zipper Is a Coiled Coil," <i>Science</i> 243:538-542, American Association for the Advancement of Science (1989)

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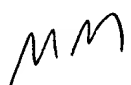


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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>22</u>	O'Shea, E.K. <i>et al.</i> , "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," <i>Cell</i> 68:699-708, Cell Press (1992)
	AS	<u>22</u>	Perham, R.N. <i>et al.</i> , "Engineering a peptide epitope display system on filamentous bacteriophage," <i>FEMS Microbiol. Rev.</i> 17:25-31, Elsevier Science Publishers B.V. (1995)
	AT	<u>22</u>	Petrenko, V.A. <i>et al.</i> , "A library of organic landscapes on filamentous phage," <i>Protein Eng.</i> 9:797-801, Oxford University Press (1996)




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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>23</u>	Pumpens, P. and Grens, E., "Hepatitis B core particles as a universal display model: a structure-function basis for development," <i>FEBS Lett.</i> 442:1-6, Elsevier Science Publishers B.V. (January 1999)
	AS	<u>23</u>	Quash, G. et al., "The preparation of latex particles with covalently bound polyamines, IgG and measles agglutinins and their use in visual agglutination tests," <i>J. Immunol. Methods</i> 22:165-174, Elsevier/North-Holland Biomedical Press (1978)
	AT	<u>23</u>	Raychaudhuri, S. and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," <i>Nat. Biotechnol.</i> 16:1025-1031, Nature America, Inc. (1998)

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	AP						Yes No

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MM	AR	24	Redfield, R.R. et al., "Disseminated Vaccinia in a Military Recruit with Human Immunodeficiency Virus (HIV) Disease," <i>N. Engl. J. Med.</i> 316:673-676, New England Journal of Medicine (1987)
I	AS	24	Renner, W.A. et al., "Recombinant Cyclin E Expression Activates Proliferation and Obviates Surface Attachment of Chinese Hamster Ovary (CHO) Cells in Protein-Free Medium," <i>Biotechnol. Bioeng.</i> 4:476-482, John Wiley & Sons, Inc. (1995)
↓	AT	24	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18:263-266, Elsevier Science, Ltd. (1997)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	<u>25</u>	Rudolf, M.P. et al., "Molecular Basis for Nonanaphylactogenicity of a Monoclonal Anti-IgE Antibody," <i>J. Immunol.</i> 165:813-819, American Association of Immunologists (July 2000)
	AS	<u>25</u>	Schelsinger, S., "Alphaviruses - vectors for the expression of heterologous genes," <i>Trends Biotechnol.</i> 11:18-22, Elsevier Science Publishers, Ltd. (1993)
↓	AT	<u>25</u>	Schenk, D. et al., "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400:173-177, Macmillan Magazines, Ltd. (July 1999)

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	AO						Yes No
	AP						Yes No

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MM	AR	<u>26</u>	Sedlik, C. <i>et al.</i> , "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells," <i>Proc. Natl. Acad. Sci. USA</i> 94:7503-7508, National Academy Press (1997)
↓	AS	<u>26</u>	Shen, L. <i>et al.</i> , "Recombinant Virus Vaccine-Induced SIV-Specific CD8 ⁺ Cytotoxic T Lymphocytes," <i>Science</i> 252:440-443, American Association for the Advancement of Science (1991)
↓	AT	<u>26</u>	Soto, G.E. <i>et al.</i> , "Periplasmic chaperone recognition motif of subunits mediates quaternary interactions in the pilus," <i>EMBO J.</i> 17:6155-6167, Oxford University Press (1998)

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0180002	APPLICATION NO. 09/848,616
	APPLICANT Sebbel <i>et al.</i>	
	FILING DATE 05/04/2001	GROUP 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>27</u>	Soto, G.E. and Hultgren, S.J., "Bacterial Adhesions: Common Themes and Variations in Architecture and Assembly," <i>J. Bacteriol.</i> 181:1059-1071, American Society for Microbiology/DC (February 1999)
	AS	<u>27</u>	Stollar, V., "Togaviruses in Cultured Arthropod Cells," in <i>The Togaviruses: Biology, Structure, Replication</i> , Schlesinger, R.W. ed., Academic Press, Inc., New York, NY, pp.612-615 (1980)
	AT	<u>27</u>	Strauss, J.H. and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562, American Society for Microbiology/DC (1994)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	28	Tanimori, H. et al., "Enzyme Immunoassay of Neocarzinostatin Using β -Galactosidase as Label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
I	AS	28	Tewari, R. et al., "Neutrophil Activation by Nascent FimH Subunits of Type 1 Fimbriae Purified from the Periplasm of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268:3009-3015, American Society for Biochemistry and Molecular Biology, Inc. (1993)
↓	AT	28	Topchieva, I. and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press, Inc. (May 1999)

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	AN						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	29	Townsend, A. and Bodmer, H., "Antigen Recognition by Class I-Restricted T Lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)
↓	AS	29	Twomey, T. <i>et al.</i> , "Structure and immunogenicity of experimental foot-and-mouth disease and poliomyelitis vaccines," <i>Vaccine</i> 13:1603-1610, Elsevier Science, Ltd. (1995)
↓	AT	29	Ulrich, R. <i>et al.</i> , "Core Particles of Hepatitis B Virus as Carrier for Foreign Epitopes," <i>Adv. Virus Res.</i> 50:141-182, Academic Press, Inc. (1998)

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	AR	30	VanCott, T.C. et al., "Antibodies with Specificity to Native gp120 and Neutralization Activity against Primary Human Immunodeficiency Virus Type 1 Isolates Elicited by Immunization with Oligomeric gp160," <i>J. Virol.</i> 71:4319-4330, American Society for Microbiology/DC (1997)
	AS	30	Warnes, A. et al., "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178, Elsevier Science Publishers B.V. (1995)
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	AR	<u>31</u>	Watson E. <i>et al.</i> , "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237, Oxford University Press (1994)
	AS	<u>31</u>	Wild, C. <i>et al.</i> , "Letter to the Editor: A Synthetic Peptide from HIV-1 gp41 Is a Potent Inhibitor of Virus-Mediated Cell-Cell Fusion," <i>AIDS Res. Hum. Retroviruses</i> 9:1051-1053, Mary Ann Liebert, Inc. (1993)
	AT	<u>31</u>	Willis, A.E. <i>et al.</i> , "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," <i>Gene</i> 128:79-83, Elsevier Science Publishers B.V. (1993)

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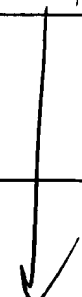

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	AN						Yes No
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	AP						Yes No

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	AR	<u>32</u>	Xiong, C. et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," <i>Science</i> 243:1188-1191, American Association for the Advancement of Science (1989)
	AS	<u>32</u>	Yuan, T.T-T. et al., "Subtype-Independent Immature Secretion and Subtype-Dependent Replication Deficiency of a Highly Frequent, Naturally Occurring Mutation of Human Hepatitis B Virus Core Antigen," <i>J. Virol.</i> 73:10122-10128, American Society for Microbiology/DC (December 1999)
	AT	<u>32</u>	Zang, M. et al., "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using A Protein-Free Cell Culture Medium," <i>Biotechnology (N Y)</i> 13:389-392, Nature Publishing Company (1995)

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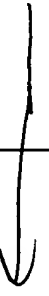
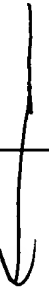
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	AR	<u>33</u>	Zhou, S. and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," J. Virol. 66:5393-5398, American Society for Microbiology/DC (1992)
	AS	<u>33</u>	Invitrogen Manual, "Sindbis Expression System Version C," from internet web page http://www.invitrogen.com/manuals.html , Catalog No. K750-01 (1996)
	AT	<u>33</u>	International Preliminary Examination Report for International Application No. PCT/IB99/01925.

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
MM	AR	<u>34</u>	International Search Report for International Application No. PCT/IB99/01925 mailed June 29, 2000.
↓	AS	<u>34</u>	International Search Report for International Application No. PCT/IB01/00741 mailed March 5, 2002.
MM	AT	<u>34</u>	Copy of co-pending U.S. Application No. 10/050,902, Renner et al., filed January 18, 2002.

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	AR	<u>35</u>	Copy of co-pending U.S. Application No. 10/050,898, Renner et al., filed January 18, 2002.
	AS	<u>35</u>	
	AT	<u>35</u>	

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